



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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WISCONSIN, Southeast

Rock County
1.5 NW Evansville 03 1750CST 0 0 **Thunderstorm Wind (G51)**

Dane County
3 S Stoughton 03 1800CST 0 0 **Hail (1.00)**

Green County
3 E Dayton 03 1800CST 0 0 100K **Thunderstorm Wind (G51)**

Jefferson County
1.5 NW Palmyra 03 1840CST 0 0 **Hail (0.75)**

Scattered severe thunderstorms affected a small part of south-central and southeast Wisconsin with damaging straightline winds and large hail. In northeast Green County, the powerful thunderstorm winds blew a barn down. In northwest Rock County near Evansville, large trees were toppled by the thunderstorm winds.

Dane County
Waunakee 10 0100CST 0 0 **Thunderstorm Wind (G50)**

Dodge County
Reeseville to
Hustisford 10 0130CST
0150CST 0 0 **Thunderstorm Wind (G56)**

Washington County
Hartford 10 0210CST 0 0 **Thunderstorm Wind (G56)**

Green Lake County
Green Lake 10 1525CST 0 0 **Hail (0.75)**

A severe thunderstorm generated powerful winds that knocked many large tree branches down in and around Waunakee (Dane Co.) A thunderstorm pulsed to severe limits and produced a wet microburst that toppled trees and power poles from around Reeseville to Hustisford in Dodge County. Another severe thunderstorm produced powerful winds that leveled trees and power lines in Hartford (Washington Co.).

Dodge County
1 E Randolph 14 0929CST 0 0 **Hail (1.00)**

Marquette County
Westfield 14 0950CST 0 0 **Hail (0.75)**

Jefferson County
Johnson Creek 14 0959CST 0 0 **Hail (0.88)**

Jefferson County
3 SE Sullivan 14 1021CST 0 0 **Hail (1.50)**

Racine County
Burlington 14 1030CST 0 0 **Hail (1.50)**

Waukesha County
Eagle 14 1030CST 0 0 **Hail (1.00)**

Green Lake County
Princeton 14 1035CST 0 0 **Hail (0.75)**

Walworth County
East Troy to
East Delavan 14 1045CST 0 0 **Hail (0.88)**

Green Lake County
5 SSW Markesan 14 1050CST 0 0 **Hail (0.75)**

Dodge County
Beaver Dam 14 1106CST 0 0 **Hail (0.88)**

Columbia County
2 NE Friesland 14 1115CST 0 0 **Thunderstorm Wind (G52)**



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					Killed	Injured	Property	Crops	
<u>WISCONSIN, Southeast</u>									
Kenosha County									
Silver Lake	14	1119CST			0	0			Hail (1.00)
Dodge County									
Watertown	14	1128CST			0	0	150K		Hail (2.50)
Jefferson County									
Watertown	14	1132CST			0	0	300K		Hail (3.75)
Dodge County									
1 N Alderley	14	1140CST			0	0			Hail (0.75)
Waukesha County									
Oconomowoc to 3 NE Okauchee	14	1143CST 1148CST			0	0			Hail (1.75)
Jefferson County									
2 E Concord	14	1150CST			0	0			Hail (0.75)
Waukesha County									
North Prairie	14	1204CST			0	0			Hail (1.75)
Milwaukee County									
West Allis	14	1210CST			0	0			Hail (0.75)
Waukesha County									
New Berlin	14	1215CST			0	0			Hail (1.00)
Racine County									
Waterford	14	1222CST			0	0	50K		Hail (1.50)
Kenosha County									
2 E Twin Lakes	14	1245CST			0	0			Hail (1.00)
Waukesha County									
Brookfield	14	1250CST			0	0	3K		Lightning
Kenosha County									
Somers	14	1255CST			0	0			Hail (1.00)
Kenosha County									
Kenosha	14	1330CST 1530CST			0	0			Urban/Sml Stream Fld

Several clusters of severe thunderstorms moved southeast through parts of south-central and southeast Wisconsin during the late morning and early afternoon hours. They produced predominately damaging, large hail stones, ranging in diameter from 3/4 inch on up to an incredible 3.75 inches! Most reports indicated that hailstones were in the 1 to 2 inch diameter range, and at many locations the hailstones left the ground white. Isolated wind damage was noted in Columbia County where large trees and some power lines were toppled near Friesland.

The city of Watertown, which straddles the Dodge and Jefferson County line, sustained the worst hail damage. Hail fell for about 10 to 15 minutes, with the largest stones of 2.50 to 3.75 inches falling for about 1 to 2 minutes. One person was injured when the large hail stones landed on their head. Roughly 7500 motor vehicles were damaged - namely broken windows and numerous dents in the sheet metal. It was noted that some of the hood dents looked as if a person had driven their fist into the sheet metal! Seven (7) greenhouses belonging to a city florist received serious glass damage, as well as plant damage. In addition, many skylight windows in residential homes and businesses were shattered. On the north side of Watertown, the large hail stripped bark off trees. Local residents mentioned that they had never seen anything like this hailstorm. The ground was white, and the hail didn't melt completely for several hours.

Many motor vehicles in the Waterford area of western Racine County sustained hail damage. In the city of Brookfield, a moving car was struck by lightning. The driver was unhurt, but the vehicle's electrical system was fried, a rear window was shattered, the two rear tires were left in shreds, and holes 6 inches deep and 3 feet wide were blown in the pavement. Small stream and urban flooding was noted in the city of Kenosha. Pike Creek flowed over its banks in Washington Park. Rainfall totals of 1 to 2 inches in 1 hour were noted across parts of southeast Wisconsin as the storms rolled southeastward.

Synoptically, low pressure moved southeast from the South Dakota-North Dakota border, with a warm front extending southeast through southern Wisconsin to northern Indiana. A strong low-level jet pumped warm, moist, unstable air directly into southern Wisconsin up over the warm front position. Upper level lapse rates became steep as colder air moved in from the northwest. No



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WISCONSIN, Southeast

thunderstorm activity was noted west of a line from Portage (Columbia Co.) to Waterloo (Jefferson Co.) to Delevan (Walworth Co.).

Sheboygan County

2.5 N Waldo	16	0040CST			0	0		Hail (1.00)
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Sheboygan County

3 S Sheboygan	16	0100CST			0	0		Hail (0.75)
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WIZ052-059>060

Sheboygan - Washington - Ozaukee

17		0000CST			0	0		Fog
		0630CST						

Winds off of Lake Michigan pulled moist air inland that led to dense fog formation after several hours of nighttime radiational cooling. Visibilities were zero to 1/8 mile near the shoreline, and 1/8 to 1/4 mile inland. About a dozen vehicle accidents were noted. Local airplane traffic was also delayed until the fog burned off.

WIZ052-059>060

Sheboygan - Washington - Ozaukee

24		1930CST			0	0		Fog
25		0630CST						

Dense fog developed over southeast Wisconsin after light winds off Lake Michigan pulled moist air into the region. Clear skies aided in the nighttime radiational cooling. Visibilities were reduced to 1/8 to 1/4 mile. About a dozen vehicle accidents were noted and local airport traffic was delayed.

WIZ065>066-070>072

Waukesha - Milwaukee - Walworth - Racine - Kenosha

24		2100CST			0	0		Fog
25		0700CST						

Dense fog developed over southeast Wisconsin after light winds off Lake Michigan pulled moist air into the region. Clear skies aided in the nighttime radiational cooling. Visibilities were reduced to 1/8 to 1/4 mile. About a dozen vehicle accidents were noted and local airport traffic was delayed.

WIZ058-063>064-068>069 Dodge - Dane - Jefferson - Green - Rock

25		0300CST			0	0		Fog
		0600CST						

Dense fog developed over southeast and south-central Wisconsin after light winds off Lake Michigan pulled moist air into the region. Clear skies aided in the nighttime radiational cooling. Visibilities were reduced to 1/8 to 1/4 mile. About a dozen vehicle accidents were noted and local airport traffic was delayed.

WIZ052-060-066-071>072 Sheboygan - Ozaukee - Milwaukee - Racine - Kenosha

25		2030CST			0	0		Fog
26		0630CST						

Dense fog developed over southeast Wisconsin after light winds off Lake Michigan pulled moist air into the region. Clear skies aided in the nighttime radiational cooling. Visibilities were reduced to 1/8 to 1/4 mile. About two dozen vehicle accidents were noted and local airport traffic was delayed.